Economic Costing and Pricing Principles

- Florida Public Service Commission (Docket No. 820400-TP), June 25, 1986.
- Delaware Public Service Commission (Docket No. 86-20, Phase II), March 31, 1989. Rebuttal November 17, 1989.
- Delaware Public Service Commission (Docket No. 89-24T), August 17, 1990.
- Florida Public Service Commission (Docket No. 900633-TL), May 9, 1991.
- Maryland Public Service Commission (Case No. 8584, Phase II), December 15, 1994. Additional direct testimony May 5, 1995. Rebuttal testimony filed June 30, 1995.
- Canadian Radio-Television and Telecommunications Commission, Response to Interrogatory SRCI(CRTC) 1Nov94-906, "Economies of Scope in Telecommunications," January 31, 1995.
- Pennsylvania Public Utility Commission (Docket Nos. A-310203F0002, A-310213F0002, A-310236F0002 and A-310258F0002), March 21, 1996.
- State of Connecticut, Department of Public Utility Control (DPUC Docket No. 95-06-17), July 23, 1996.
- New Jersey Board of Public Utilities (Docket No. TX95120631), August 15, 1996. Rebuttal filed August 30, 1996.
- Florida Public Service Commission (Docket No. 980000-SP), September 24, 1998.
- Nebraska Public Service Commission, (Application No. C-1628), October 20, 1998. Reply November 20, 1998.
- Florida Public Service Commission (Docket No. 980000-SP), November 13, 1998.
- Wyoming Public Service Commission (Docket No. 70000-TR-99), April 26, 1999.
- New Mexico Public Regulation Commission (Utility Case No. 3147), December 6, 1999, rebuttal testimony filed December 28, 1999.
- New Mexico Public Regulation Commission (Case No. 3008, rebuttal testimony filed May 19, 2000.
- North Dakota Public Service Commission, (Case No. PU-314-99-119), May 30, 2000.
- New Mexico Public Regulation Commission (Case No. 3225, direct testimony filed August 18, 2000. Rebuttal filed September 13, 2000.
- New Mexico Public Regulation Commission (Case No. 3300), rebuttal testimony filed October 19, 2000.
- Alabama Public Service Commission (Docket Nos. 15957 and 27989), direct testimony filed August 3, 2001. Rebuttal testimony filed August 13, 2001. Additional rebuttal testimony filed August 17, 2001.
- The New Jersey Board of Public Utilities (Docket No. TO01020095), February 15, 2001. Rebuttal filed June 15, 2001.

Statistics

- Arizona State Air Pollution Control Hearing Board (Docket No. A-90-02), affidavit December 7, 1990.
- Expert testimony: Michigan Circuit Court (Case No. 87-709234-CE and 87-709232-CE), Her Majesty the Queen, et al., v. Greater Detroit Resource Recovery Authority, et al., February, 1992.

Expert testimony: United States District Court, Eastern District of New York, Jancyn Manufacturing Corp. v. The County of Suffolk, January 11, 1994.

New York Public Service Commission (Case Nos. 93-C-0451 and 91-C-1249), July 23, 1996.

New York Public Service Commission (Cases 95-C-0657, 94-C-0095, 91-C-1174 and 96-C-0036): panel testimony, March 18, 1998. Rebuttal June 3, 1998.

InterLATA Toll Competition

- Canadian Radio-Television and Telecommunications Commission (Docket No. 1990-73), November 30, 1990.
- Federal Communications Commission (Docket 91-141), August 6, 1991.
- Federal Communications Commission (CC Docket 92-141), July 10, 1992.
- Federal Communications Commission (In the Matter of Policy and Rules Concerning Rates for Competitive Common Carrier Services and Facilities Authorization Therefor) with A.E. Kahn, November 12, 1993.
- U.S. District Court for the District of Columbia United States of America v. Western Electric Company, Inc. and American Telephone and Telegraph Company, Affidavit with A.E. Kahn, May 13, 1994.
- U.S. Department of Justice, United States of America v. Western Electric Company, Inc. and American Telephone and Telegraph Company, August 25, 1994.
- Federal Communications ex parte filing in CC Docket No. 94-1, March 16, 1995.
- Federal Communications Commission (CC Docket No. 79-252) ex parte comments with J. Douglas Zona, April 1995.
- U.S. Department of Justice in *United States of America v. Western Electric Company, Inc. and American Telephone and Telegraph Company*, regarding Telefonos de Mexico's provision of interexchange telecommunications services within the United States, affidavit May 22, 1995.
- U.S. Department of Justice in *United States of America v. Western Electric Company, Inc. and American Telephone and Telegraph Company*, regarding provision of interexchange telecommunications services to customers with independent access to interexchange carriers, May 30, 1995.
- Expert testimony: US WATS v. AT&T, Confidential Report, August 22, 1995. Testimony October 18-20, 25-27, 30, 1995. Rebuttal testimony December 4, December 11, 1995.
- Expert testimony: United States District Court for the Northern District of Texas, Dallas Division, Civil Action 394CV-1088D, *Darren B. Swain, Inc. d/b/a U.S. Communications v. AT&T Corp.* Confidential Report, November 17, 1995.
- U.S. District Court, Southern District of New York, *Multi Communications Media Inc.*, v. AT&T and Trevor Fischbach (96 Civ. 2679 (MBM)), December 27, 1996.
- Federal Communications Commission (CC Docket Nos. 96-262 and 96-45), March 18, 1998.
- Subcommittee on Communications of the Senate Committee on Commerce, Science and Transportation, *Statement* and oral testimony regarding long distance competition and Section 271 of the Telecommunications Act of 1996, March 25, 1998.
- Federal Communications Commission (CC Docket No. 96-262), with P.S. Brandon, October 16, 1998.
- Federal Communications Commission (CC Docket No. 96-262) with P.S. Brandon, October 22, 1998.

IntraLATA Toll Competition

New Jersey Board of Public Utilities (Docket No. TX90050349), December 6, 1990.

New York Public Service Commission (Case No. 28425) with T.J. Tardiff, May 1, 1992.

New Jersey Board of Regulatory Commissioners (Docket No. TX93060259), Affidavit October 1, 1993.

New Jersey Board of Public Utilities (Docket Nos. TX90050349, TE92111047, TE93060211), April 7, 1994. Rebuttal April 25, 1994. Summary Affidavit and Technical Affidavit April 19, 1994.

Delaware Public Utilities Commission (Docket No. 42), October 21, 1994.

Pennsylvania Public Utility Commission (Docket No. I-940034), panel testimony, December 8, 1994. Reply February 23, 1995. Surrebuttal March 16, 1995.

Public Service Commission of West Virginia (Case No. 94-1103-T-GI), March 24, 1995.

New Jersey Board of Public Utilities (Docket No. TX94090388), April 17, 1995. Rebuttal May 31, 1995.

New York Public Service Commission (Case 94-C-0017), August 1, 1995.

Rhode Island Public Service Commission (Docket No. 2252), November 17, 1995.

Massachusetts Department of Telecommunications and Energy (Docket No. 98-85), October 20, 1998.

Local Competition

Massachusetts Department of Public Utilities (Docket No. D.P.U. 94-185), May 19, 1995. Rebuttal August 23, 1995.

The Public Utilities Commission of Ohio (Case No. 94-1695-TP-ACE), May 24, 1995.

Vermont Public Service Board (Open Network Architecture Docket No. 5713), June 7, 1995. Rebuttal July 12, 1995.

New Jersey Board of Public Utilities (with Kenneth Gordon and Alfred E. Kahn), paper filed in connection with arbitration proceedings, August 9, 1996.

Florida Public Service Commission, "Local Telecommunications Competition: An Evaluation of a Proposal by the Communications Staff of the Florida Public Service Commission," with A. Banerjee, filed November 21, 1997.

Rhode Island Public Utilities Commission (Docket No. 2681), January 15, 1999.

Connecticut Department of Public Utility Control (Docket No. 95-06-17RE02), June 8, 1999.

CPR Institute for Dispute Resolution Arbitral Tribunal, Rebuttal Affidavit in arbitrations between BellSouth Telecommunications and Supra Telecommunications & Information Systems, November 5, 2001.

Interconnection and unbundling

Federal Communications Commission (Docket 91-141), September 20, 1991.

Maryland Public Service Commission (Case No. 8584) with A.E. Kahn, November 19, 1993. Rebuttal January 10, 1994. Surrebuttal January 24, 1994.

Maryland Public Service Commission (Case No. 8659), November 9, 1994.

Federal Communications Commission (CC Docket No. 95-185), affidavit March 4, 1996.

Federal Communications Commission (CC Docket No. 96-98), videotaped presentation on economic costs for interconnection, FCC Economic Open Forum, May 20, 1996.

New York Public Service Commission (Case 01-C-0767), October 31, 2001.

Federal Communications Commission (CC Docket Nos. 01-338, 96-98, 98-47) (with Aniruddha Banerjee, Charles Zarkadas and Agustin Ros) filed July 17, 2002.

Imputation

New Hampshire Public Service Commission (Docket DE 90-002), May 1, 1992. Reply testimony July 10, 1992. Rebuttal testimony August 21, 1992.

Canadian Radio-Television and Telecommunications Commission (Telecom Public Notice CRTC 95-36), August 18, 1995.

Massachusetts Department of Public Utilities (Docket No. D.P.U./D.T.E. 94-185-C), Affidavit February 6, 1998. Reply Affidavit February 19, 1998.

New Jersey Board of Public Utilities (BPU Docket No. TO97100808, OAL Docket No. PUCOT 11326-97N), July 8, 1998. Rebuttal September 18, 1998.

Vermont Public Service Board (Docket No. 6077), November 4, 1998.

Economic Depreciation

Florida Public Service Commission (Docket No. 920385-TL), September 3, 1992.
Louisiana Public Service Commission (Docket No. U-17949, Subdocket E), November 17, 1995.
Surrebuttal, December 13, 1995, Further Surrebuttal, January 12, 1996.
Federal Communications Commission (CC Docket No. 98-137), with A. Banerjee, November 23, 1998.

Spectrum

Federal Communications Commission (ET Docket 92-100) with Richard Schmalensee, November 9, 1992.

Federal Communications Commission (Amendment of Part 90 of the Commission's Rules to Adopt Regulations for Automatic Vehicle Monitoring Systems, PR Docket No. 93-61), with R. Schmalensee, June 29, 1993.

Mergers

U.S. District Court for the District of Columbia, *United States of America v. Western Electric Company, Inc. and American Telephone and Telegraph Company*, with A.E. Kahn, January 14, 1994.

Vermont Public Service Board (Docket No. 5900), September 6, 1996.

Maine Public Utilities Commission (Docket No. 96-388), September 6, 1996. Rebuttal October 30, 1996.

New Hampshire Public Service Commission (Docket DE 96-220), October 10, 1996.

Federal Communications Commission (Tracking No. 96-0221), with Richard Schmalensee, October 23, 1996.

New York Public Service Commission (Case 96-C-0603), panel testimony, November 25, 1996. Reply December 12, 1996.

- Federal Communications Commission (CC Docket No. 97-211), with R. Schmalensee, affidavit March 13, 1998. Reply affidavit May 26, 1998.
- Connecticut Department of Public Utility Control, testimony regarding economic aspects of the SBC-SNET proposed change in control, filed June 1, 1998.
- Federal Communications Commission (CC Docket No. 98-141), with R. Schmalensee, July 21, 1998. Reply November 11, 1998.
- Alaskan Public Utilities Commission (Docket Nos. U-98-140/141/142 and U-98-173/174), February 2, 1999. Rebuttal March 24, 1999.
- Pennsylvania Public Utility Commission (Docket Nos. A-310200F0002, A-311350F0002, A-310222F0002, A-310291F0003), April 22, 1999.
- State Corporation Commission of Virginia, In re: Joint Petition of Bell Atlantic Corporation and GTE Corporation for approval of agreement and plan of merger, May 28, 1999.

Ohio Public Utility Commission (Docket No. 98-1398-TP-AMT), June 16, 1999.

Kentucky Public Service Commission (Docket No. 99-296), July 9, 1999.

Colorado Public Utilities Commission (Docket No. 99A-407T), December 7, 1999.

Iowa Utilities Board, rebuttal testimony, filed December 23, 1999.

Minnesota Public Utilities Commission (Docket No. P3009, 3052, 5096, 421, 3017/PA-99-1192), January 14, 2000.

Washington Utilities and Transportation Commission (Docket No. UT-991358), February 22, 2000.

Montana Public Service Commission (Docket No. D99.8.200), February 22, 2000.

Utah Public Service Commission (Docket No. 99-049-41), February 28, 2000.

Minnesota Public Utilities Commission (Docket No. P3009, 3052, 5096, 421, 3017/PA-99-1192), rebuttal affidavit filed January 14, 2000.

- Minnesota Public Utilities Commission (Docket No. P3009, 3052, 5096, 421, 3017/PA-99-1192), direct testimony filed March 29, 2000.
- Arizona Corporation Commission (Docket No. T-01051B-99-0497), rebuttal testimony filed April 3, 2000.
- Wyoming Public Service Commission (Docket Nos. 74142-TA-99-16, 70000-TA-99-503, 74037-TA-99-8, 70034-TA-99-4, 74089-TA-99-9, 74029-TA-99-43, 74337-TA-99-2, Record No. 5134), rebuttal testimony filed April 4, 2000.
- California Public Utilities Commission, (Application No. 02-01-036), testimony regarding the merger between American Water Company and Thames Water, filed May 17, 2002.

Broadband Services

Federal Communications Commission (File Nos. W-P-C 6912 and 6966), August 5, 1994.

Federal Communications Commission (File Nos. W-P-C 6982 and 6983), September 21, 1994.

Federal Communications Commission, affidavit examining cost support for Asymmetric Digital Subscriber Loop (ADSL) video dialtone market trial, February 21, 1995.

Federal Communications Commission, affidavit examining cost support for Bell Atlantic's video dialtone tariff, March 6, 1995.

Federal Communications Commission (File Nos. W-P-C 7074), July 6, 1995.

- U.S. District Court for the Eastern District of Virginia (Alexandria Division), *United States Telephone Association*, et al., v. Federal Communications Commission, et al. (Civil Action No. 95-533-A), with A.E. Kahn, affidavit October 30, 1995.
- Federal Communications Commission (CC Docket No. 95-145), October 26, 1995. Supplemental Affidavit December 21, 1995.
- Expert testimony: FreBon International Corp. vs. BA Corp. Civil Action, No. 94-324 (GK), regarding Defendants' Amended Expert Disclosure Statement, filed under seal February 15, 1996.
- Federal Communications Commission (CC Docket No. 96-46), ex parte affidavit, April 26, 1996.
- Federal Communications Commission (CC Docket No. 96-112), affidavit filed May 31, 1996.
- Federal Communications Commission (CC Docket No. 96-112), affidavit June 12, 1996.
- Federal Communications Commission (CC Docket No. 96-46), July 5, 1996.
- Pennsylvania Public Utility Commission, "Promises Fulfilled; Bell Atlantic-Pennsylvania's Infrastructure Development," filed January 15, 1999 (with Charles J. Zarkadas, Agustin J. Ros, and Jaime C. d'Almeida).

Rate Rebalancing

- Canadian Radio-Television and Telecommunications Commission, Implementation of Regulatory Framework and Related Issues, Telecom Public Notices CRTC 94-52, 94-56 and 94-58, February 20, 1995.
- Pennsylvania Public Utility Commission (Docket No. R-00963550), April 26, 1996. Rebuttal July 5, 1996.
- Pennsylvania Public Utility Commission (Docket No. R-963550 C0006), August 30, 1996. Public Utilities Commission of Ohio (Case No. 96-899-TP-ALT), February 19, 1997.

Universal Service

- Louisiana Public Service Commission (Docket No. U-20883, Subdocket A), August 16, 1995. Tennessee Public Service Commission (Docket No. 95-02499), October 20, 1995. Rebuttal October 25, 1995. Supplementary direct October 30, 1995. Supplementary rebuttal November 3, 1995.
- Mississippi Public Service Commission (Docket No. 95-UA-358), January 17, 1996. Rebuttal February 28, 1996.
- Federal Communications Commission (CC Docket No. 96-45) with Kenneth Gordon, April 12, 1996.
- Federal Communications Commission (CC Docket No. 96-45) with Aniruddha Banerjee, August 9, 1996.
- Federal-State Joint Board (CC Docket No. 96-45), Remarks on Proxy Cost Models, videotape filed January 14, 1997.
- New Jersey Board of Public Utilities (Docket No. TX95120631), September 24, 1997. Rebuttal October 18, 1997.
- Pennsylvania Public Utility Commission (Docket No. I-00940035), October 22, 1997.
- Alabama Public Service Commission (Docket No. 25980), February 13, 1998.

- North Carolina Utilities Commission (Docket No. P-100, SUB 133g), February 16, 1998. Rebuttal April 13, 1998.
- Mississippi Public Service Commission (Docket No. 98-AD-035), February 23, 1998. Rebuttal March 6, 1998.
- Tennessee Regulatory Authority (Docket No. 97-00888), April 3, 1998. Rebuttal April 9, 1998.

Florida Public Service Commission (Docket No. 980696-TP), September 2, 1998. Georgia Public Service Commission (Docket No. 5825-U), September 8, 2000.

Classification of Services as Competitive

Maryland Public Service Commission (Case No. 8462), October 2, 1992.

State Corporation Commission of Virginia (Case No. PUC 950067), January 11, 1996.

Maryland Public Service Commission (Case No. 8715), March 14, 1996. Surrebuttal filed April 1, 1996.

Federal Communications Commission (File No. SCL-97-003), December 8, 1997.

Pennsylvania Public Utility Commission (Docket No. P-00971307, February 11, 1998. Rebuttal February 18, 1998.

State of Connecticut, Department of Public Utility Control (Docket No. 98-02-33), February 27, 1998.

The New Jersey Board of Public Utilities (Docket No. TO 99120934), May 18, 2000.

Washington Transportation and Utilities Commission, (Docket No. UT-000883). October 6, 2000.

New York Public Service Commission, (Case 00-C-1945), May 15, 2001.

The New Jersey Board of Public Utilities (Docket No. TO01020095), February 15, 2001. Rebuttal filed June 15, 2001.

Costing and Pricing Resold Services and Network Elements

Science, Technology and Energy Committee of the New Hampshire House of Representatives, "An Economic Perspective on New Hampshire Senate Bill 77," April 6, 1993.

Tennessee Public Service Commission (Docket No. 96-00067), May 24, 1996. Refiled with the Tennessee Regulatory Authority (Docket No. 96-00067), August 23, 1996.

New York Public Service Commission (Case Nos. 95-C-0657, 94-C-0095, 91-C-1174), May 31, 1996. Additional testimony June 4, 1996. Rebuttal July 15, 1996.

Louisiana Public Service Commission (Docket No. U-U-22020), August 30 1996. Rebuttal September 13, 1996.

Tennessee Regulatory Authority (Docket No. 96-01331), September 10, 1996. Rebuttal September 20, 1996.

New Jersey Board of Public Utilities (Docket No. TO96070519), September 18, 1996.

Pennsylvania Public Utility Commission (Docket No. A-310258F0002), September 23, 1996.

Massachusetts Department of Public Utilities (Docket Nos. D.P.U. 96-73/74, 96-75, 96-80/81, 96-83, 96-94), September 27, 1996. Rebuttal October 16, 1996.

New Jersey Board of Public Utilities (Docket No. TX95120631), September 27, 1996.

New Hampshire Public Service Commission (Docket DE 96-252), October 1, 1996.

Massachusetts Department of Public Utilities (Docket Nos. D.P.U. 96-73/74, 96-75, 96-80/81, 96-83, 96-94), October 11, 1996. Rebuttal October 30, 1996.

Federal Communications Commission (CC Docket No. 96-45), October 15, 1996.

New Hampshire Public Service Commission (Docket DE 96-252), October 23, 1996.

New Jersey Board of Public Utilities (Docket No. T096080621), November 7, 1996.

Alabama Public Service Commission (Docket No. 25677), November 26, 1996.

Delaware Public Utilities Commission, testimony re costs and pricing of interconnection and network elements, December 16,1996. Rebuttal February 11, 1997.

State Corporation Commission of Virginia, (Case No. PUC960), December 20,1996. Rebuttal June 10, 1997 (Case No. PUC970005).

Public Service Commission of Maryland (Case No. 8731-II), January 10, 1997. Rebuttal April 4, 1997.

Public Service Commission of the District of Columbia (Case No. 962), January 17, 1997. Rebuttal May 2, 1997.

Connecticut Department of Public Utilities (DPUC Docket No. 96-09-22), January 24, 1997.

Connecticut Department of Public Utilities (DPUC Docket No. 96-11-03), February 11, 1997.

Federal Communications Commission, response to FCC Staff Report on issues regarding Proxy Cost Models. Filed February 13, 1997.

Public Service Commission of West Virginia (Case Nos. 96-1516-T-PC, 96-1561-T-PC, 96-1009-T-PC, and 96-1533-T-T), February 13, 1997. Rebuttal February 20, 1997.

Public Utilities Commission of Ohio (Case No. 97-152-TP-ARB), April 2, 1997.

Maine Public Utilities Commission (Docket No. 97-505), April 21, 1997. Rebuttal October 21, 1997.

Vermont Public Service Board (Docket No. 5713), July 31, 1997. Rebuttal January 9, 1998. Surrebuttal February 26, 1998. Supplemental rebuttal March 4, 1998.

State of Connecticut, Department of Public Utility Control (Docket Nos. 95-03-01,95-06-17 and 96-09-22), August 29, 1997. Rebuttal December 17, 1998.

Alabama Public Service Commission (Docket No. 26029), September 12, 1997.

Tennessee Regulatory Authority (Docket No. 97-01262), October 17, 1997.

South Carolina Public Service Commission (Docket No. 97-374-C), November 25, 1997.

Rhode Island Public Utilities Commission, direct testimony re costing and pricing principles for interconnection and unbundled network elements filed November 25, 1997.

North Carolina Utilities Commission (Docket No. P-100, SUB 133d), December 15, 1997. Rebuttal March 9, 1998.

Massachusetts Department of Public Utilities (Docket No. DTE 98-15), January 16, 1998.

Mississippi Public Service Commission (Docket No. 97-AD-544, March 13, 1998.

New Hampshire Public Service Commission (Docket No. 97-171, Phase II), March 13, 1998. Rebuttal April 17, 1998.

Massachusetts Department of Telecommunications and Energy (D.P.U. 96-3/74, 96-75, 96-80/81, 96-83, & 96-94), April 29, 1998.

Massachusetts Department of Telecommunications and Energy (Docket No. 85-15, Phase III, Part 1), August 31, 1998.

Massachusetts Department of Telecommunications and Energy (Docket No. 98-15, Phase II), September 8, 1998.

Rhode Island Public Utilities Commission (Docket No. 2681), September 18, 1998.

Maryland Public Service Commission (Case No. 8786), November 16, 1998.

- New Hampshire Public Utilities Commission (Docket No. 99-018), April 7, 1999. Rebuttal April 23, 1999.
- Massachusetts Department of Telecommunications & Energy (Docket No. 94-185-E), July 26, 1999.
- New York Public Service Commission, (Case 98-C-1357), February 7, 2000. Panel Rebuttal Testimony filed October 19, 2000.
- The New Jersey Board of Public Utilities (Docket No. TO00060356), July 28, 2000.
- Massachusetts Department of Telecommunications and Energy (Docket DTE –1-20), direct testimony filed May 4, 2001.
- The Public Service Commission of Maryland (Case No. 8879), May 25, 2001, rebuttal September 5, 0021. Surrebuttal October 15, 2001.
- Public Service Commission of the District of Columbia (Case No. 962), July 16, 2001.
- Rhode Island Public Utilities Commission (Docket No. 2681), May 1, 2002.

Bell Entry into InterLATA Markets

- Federal Communications Commission (CC Docket No. 96-149), affidavit, August 15, 1996. Federal Communications Commission (Docket No. 96-149) with Paul B. Vasington, November 14, 1996.
- Georgia Public Service Commission (Docket No. 6863-U), January 3, 1997. Rebuttal February 24, 1997.
- Pennsylvania Public Utility Commission, statement regarding costs and benefits from Bell Atlantic entry into interLATA telecommunications markets, February 10, 1997. Rebuttal March 21, 1997.
- New York Public Service Commission, "Competitive Effects of Allowing NYNEX To Provide InterLATA Services Originating in New York State," with Harold Ware and Richard Schmalensee, February 18, 1997.
- Delaware Public Utilities Commission, statement regarding costs and benefits from Bell Atlantic entry into interLATA telecommunications markets, filed February 26, 1997. Rebuttal April 28, 1997.
- New Jersey Board of Public Utilities (Docket No. T097030166), March 3, 1997. Reply May 15, 1997.
- Federal Communications Commission (CC Docket 96-262 *et al.*), with Richard Schmalensee, Doug Zona and Paul Hinton, *ex parte* March 7, 1997.
- Public Service Commission of Maryland, statement regarding consumer benefits from Bell Atlantic's provision of interLATA service, filed March 14, 1997.
- Louisiana Public Service Commission, (Docket No. U-22252), March 14, 1997. Rebuttal May 2, 1997. Supplemental testimony May 27, 1997.
- Public Service Commission of West Virginia, economic analysis of issues regarding Bell Atlantic's entry into the interLATA long distance market. Filed March 31, 1997.
- South Carolina Public Service Commission (Docket No. 97-101-C), April 1, 1997. Rebuttal June 30, 1997.
- Kentucky Public Service Commission (Administrative Case No. 96-608), April 14, 1997. Rebuttal April 28, 1997. Supplemental rebuttal August 15, 1997.
- Federal Communications Commission (CC Docket No. 96-149), April 17, 1997.

- Maine Public Utilities Commission, affidavit regarding competitive effects of NYNEX entry into interLATA markets, with Kenneth Gordon, Richard Schmalensee and Harold Ware, filed May 27,1997.
- Alabama Public Service Commission (Docket No. 25835), June 18, 1997. Rebuttal August 8, 1997.
- North Carolina Utilities Commission (Docket No. P-55, Sub1022), August 5, 1997. Rebuttal September 15, 1997.
- Mississippi Public Service Commission (Docket No. 97-AD-0321), July 1, 1997. Rebuttal September 29, 1997.
- Federal Communications Commission, CC Docket No. 99-295. Filed September 29, 1999.
- Federal Communications Commission, In the Matter of Application by Verizon New England Inc., et. al. for Authorization to Provide In-Region, InterLATA Services in Massachusetts, September 19, 2000, Reply Declaration filed November 3, 2000. Supplemental Reply Declaration filed February 28, 2001.
- Pennsylvania Public Utility Commission, (Docket No. M-00001435), January 8, 2001.
- Federal Communications Commission, In the Matter of Application by Verizon New England Inc., et. al. for Authorization to Provide In-Region, InterLATA Services in Connecticut, May 24, 2001.
- Federal Communications Commission, In the Matter of Application by Verizon Pennsylvania Inc., et. al. for Authorization to Provide In-Region, InterLATA Services in Pennsylvania, June 21, 2001.
- Alabama Public Service Commission (Docket No. 25835), June 19, 2001.
- Louisiana Public Service Commission (Docket No. U-22252-E), reply affidavit filed June 25, 2001.
- South Carolina Public Service Commission (Docket No. 2001-209-C), July 16, 2001.
- Alabama Public Service Commission (Docket No. 25835), rebuttal testimony filed June 19, 2001.
- Kentucky Public Service Commission (Docket No. 2001-105), July 30, 2001.
- Mississippi Public Service Commission (Docket No. 97-AD-321), August 2, 2001.
- Florida Public Service Commission (Docket No. 960786-TL, August 20, 2001.
- North Carolina Utilities Commission (Docket No. P-55, SUB 1022), October 8, 2001.
- Federal Communications Commission (CC Docket No. 01-277), (Georgia-Louisiana) November 13, 2001.
- Minnesota Public Utilities Commission (PUC Docket No. P-421/C1-01-1372, OAH Docket No. 7-2500-14487-2) affidavit filed December 28, 2001, Surrebuttal Affidavit filed January 16, 2002.

Regulatory Reform

Federal Communications Commission (CC Docket No. 80-286), December 10, 1997.

Federal Communications Commission, In the Matter of United States Telephone Association Petition for Rulemaking—1998 Biennial Regulatory Review, with Robert W. Hahn, filed September 30, 1998.

Reciprocal Compensation

Massachusetts Department of Telecommunications and Energy (Docket No. 98-67), September 25, 1998.

Washington Public Utilities Commission (Docket No. UT-990300), February 24, 1999. Rebuttal March 8, 1999.

Colorado Public Utilities Commission (Docket No. 99A-001T), March 15, 1999.

Massachusetts Department of Telecommunications and Energy (Docket No. D.T.E. 97-116-B), March 29, 1999.

North Carolina Utilities Commission (Docket No. P-500, Sub 10), July 9, 1999.

North Carolina Utilities Commission (Docket No. P-561, Sub 10), July 30, 1999.

Public Service Commission of South Carolina (Docket No. 1999-259-C), August 25, 1999.

Louisiana Public Service Commission (Docket No. U-24206), September 3, 1999.

Florida Public Service Commission (Docket No. 990750-TP), September 13, 1999.

New Mexico Public Regulation Commission (Case No. 3131), October 13, 1999.

Alabama Public Service Commission (Docket No. 27091), October 14, 1999.

Tennessee Regulatory Authority (Docket No. 99-00377), October 15, 1999.

Tennessee Regulatory Authority (Docket No. 99-00430), October 15, 1999.

Mississippi Arbitration Panel (Docket No. 99-AD421), October 20, 1999.

Kentucky Public Service Commission (Case No. 99-218), October 21, 1999.

Georgia Public Service Commission (Docket No. 10767-U), October 25, 1999.

Oregon Public Utility Commission (Arb. 154), November 5, 1999.

Federal Communications Commission (Docket No. 99-68), "An Economic and Policy Analysis of Efficient Intercarrier Compensation Mechanisms for Internet-Bound Traffic," ex parte, November 12, 1999 (with A. Banerjee and A. Ros). Reply Comments: "Efficient Inter-Carrier Compensation for Internet-Bound Traffic," (with A. Banerjee), October 23, 2000.

Georgia Public Service Commission (Docket No. 10854-U), November 15, 1999, rebuttal testimony filed November 22, 1999.

Idaho Public Utilities Commission (Docket No. GST-T-99-1), November 22, 1999, rebuttal testimony filed December 2, 1999.

Texas Public Utility Commission (Docket No. 21982), March 15, 2000, rebuttal testimony filed March 31, 2000.

Arizona Corporation Commission (Docket Nos. T-02432B-00-0026, T-01051B-00-0026), March 27, 2000, rebuttal testimony filed April 3, 2000.

Colorado Public Utilities Commission (Docket No. 00B-011T), direct testimony filed March 28, 2000.

Pennsylvania Public Utility Commission (Docket No. A-310620F0002), April 14, 2000, rebuttal testimony filed April 21, 2000.

Delaware Public Service Commission (PSC Docket No. 00-205), filed April 25, 2000.

Virginia State Corporation Commission, filed April 25, 2000.

The New Jersey Board of Public Utilities (Docket No. TO 00031063) Direct testimony filed April 28, 2000, rebuttal testimony filed May 5, 2000.

Washington Utilities and Transportation Commission (Docket No. UT-003006). Filed April 26, 2000. Rebuttal testimony filed May 10, 2000. Surrebuttal testimony filed May 26, 2000.

The New Jersey Board of Public Utilities (Docket No. TO 00031063). Filed April 28, 2000. Rebuttal testimony filed May 5, 2000.

- Federal Communications Commission, (CC Docket Nos. 96-98, 95-185, WT Docket No. 97-207), "Reciprocal Compensation for CMRS Providers," June 13, 2000 (with Charles Jackson).
- Colorado Public Utilities Commission (Docket No. 00B-103T), June 19, 2000.
- Federal Communications Commission, In the Matter the Remand of the Commission's Reciprocal Compensation Declaratory Ruling by the U.S. Court of Appeals for the D.C. Circuit (CC Docket Nos. 96-98, 99-68), July 21, 2000. Reply August 4, 2000.
- Montana Department of Public Service Regulation (Docket No. D2000.6.89), July 24, 2000. Rebuttal filed February 7, 2001.
- Washington Utilities and Transportation Commission (Docket 003013 Part B), filed August 4, 2000. Rebuttal filed February 7, 2001.
- Nebraska Public Service Commission, (Docket No. C-2328), September 25, 2000. Rebuttal testimony filed October 4, 2000.
- Montana Department of Public Service Regulation (Docket No. D2000.8.124: TouchAmerica Arbitration), October 20, 2000. Rebuttal filed December 20, 2000.
- Arizona Corporation Commission (Docket Nos. T-03654A-00-0882,T-01051B-00-0882), January 8, 2001.
- Florida Public Service Commission (Docket No. 000075-TP), filed January 10, 2001.
- Colorado Public Utilities Commission (Docket No. 00B-601T), filed January 16, 2001.
- Utah Public Service Commission (Docket No. 00-999-05), filed February 2, 2001. Rebuttal testimony filed March 9, 2001.
- Arizona Corporation Commission (Docket No. T-00000A-00-0194, Phase 2), March 15, 2001. Florida Public Service Commission (Docket No. 000075-TP), filed April 12, 2001.
- Federal Communications Commission (CC Docket No. 01-92), with Aniruddha Banerjee, filed November 5, 2001.

Contract Services

Superior Court Department of the Trial Court (Civil Action No. 95-6363F), affidavit, July 1996.

Connecticut Department of Public Utilities (Docket No. 99-03-17), June 18, 1999.

American Arbitration Association, New York, MCI WorldCom Communications Inc. v .Electronic Data Systems, Corporation, Expert Report June 25, 2001. Supplemental Expert Report July 13, 2001.

Service Quality Performance Plans

Georgia Public Service Commission (Docket No. 7892-U), June 27, 2000.

Florida Public Service Commission (Docket No. 000121-TP), March 1, 2001. Rebuttal filed March 21, 2001. Rebuttal in Phase II filed April 19, 2001.

North Carolina Utilities Commission (Docket No. P-100 Sub 133k), May 21, 2001.

South Carolina Public Service Commission (Docket No. 2001-209-C), July 16, 2001.

Kentucky Public Service Commission (Docket No. 2001-105), July 30, 2001. Surrebuttal September 10, 2001.

ATTACHMENT 1
REBUTTAL TESTIMONY OF WILLIAM E. TAYLOR
CASE NO. 8927 –SEPTEMBER 24, 2002
PAGE 21 of 21

Mississippi Public Service Commission (Docket No. 97-AD-321), August 2, 2001. Tennessee Regulatory Authority, (Docket No. 01-00193), August 10, 2001.

Miscellaneous

New Mexico Public Regulation Commission (Utility Case No. 3147), December 6, 1999. New Mexico Public Regulation Commission (Utility Case No. 3008), May 19, 2000. United States District Court, District of Nevada (Case No. CV-S-99-1796-KJD(RJJ), December 28, 2000.

July

| Facilities-based CLEC Providers of Voice Mail Service in Maryland | | | |
|---|------------------------|---|--|
| Company | Contact Information | Status of Carrier Network in Maryland ¹ | General Quote |
| Adelphia Business Solutions | 814.274.9830 | Baltimore: Operational voice network employing one switch | "When you choose our basic voice mail service, you get Adelphia Business Solutions- |
| | | Hagerstown: Voice network on-net | level reliability and cost- effectiveness, plus an array of standard services" Adelphia Business Solutions, <i>Voice Mail</i> , http://www.adelphia- abs.com/voice/m_voicemail.cf m. |
| Advanced TelCom Group, Inc. | 301.662.9093 | | "ATG Direct Dial Voice Mail is a valuable business tool offering your customers a way to communicate with you, even when you are unavailable." Advanced TelCom Group, Voice Mail, http://www2.callatg.com/index sub_home_2.html. |
| Allegiance Telecom | 410.230.2500 | Baltimore: Operational voice network employing one switch and operational data network employing one switch | "Allegiance Telecom voice mail is a must-have productivity tool for every business." Allegiance Telecom, <i>Voice Mail</i> , http://www.algx.com/business/voice/voice_mail.jsp. |
| AT&T Corp. | 401.649.0300 | Baltimore: Operational voice network employing one switch and operational data network employing two switches | |
| Cavalier Telephone Corp. | 240.361.4000 | | Voice mail is available in all of Cavalier Telephone's Maryland markets. Cavalier Telephone Corp., Rates/Sign Up; Maryland, http://www.cavtel.com/resident ial/res_md.php. |

¹ Status of Carrier Network in Maryland: <u>See</u> New Paradigm Resources Group, Inc., *CLEC Report 2002*, Ch. 6 (16th ed. 2002).

| _ | | | |
|-----------------------------------|--------------|---|---|
| Comcast Business | 240.456.4000 | Anne Arundel Co.: Resale voice and data network Baltimore: Operational voice and data network Chevy Chase: On-net voice network and | |
| | | operational data network Prince George' Co.: On- net voice network and operational data network | |
| CTC Group | 800.373.3376 | Baltimore: Operational data network employing one switch | |
| Xspedius Management Company | 877.962.1900 | Baltimore: Operational voice network and operational data network | Xspedius Management Company provides innovative solutions that include VoiceMail to help our customers lower cost, increase productivity and improve information transfer. http://www.xspediusmc.com/pr oducts/messaging/index.shtml |
| Focal | | Baltimore: Operational voice network employing one switch and operational data network | |
| Global NAPs | 617.507.5100 | | |
| KMC Telecom, Inc. | 301.429.5830 | | "KMC Telecom KMC Phone & Feature Bundles offer a range of local, long distance, and voicemail solutions-designed specifically to meet the needs of small and mid-sized businesses." KMC Telecom, KMC Phone and Feature Bundles, http://www.kmctelecom.com/services/value.cfm. |
| PaeTec | 888.972.3832 | Baltimore: On-net voice network and operational data network | |
| Winstar | 212.792.9622 | Baltimore: Operational voice network employing one switch and operational data network employing one switch | "Winstar offers a broad range of customized voice mail applications to meet the needs of just about any business." Winstar, Voice Mail, http://www.winstar.com/products/phone_voicemail.asp. |

| WorldCom, Inc. | 410.494.6889 | Baltimore: Operational voice network employing two switches and operational data network | "Voice Mail offers extensive voice messaging features, packaged in a way that make them easy to use." WorldCom, Inc., Business Lines, http://www1.worldcom.com/us/products/voice/commservices/local/buslines/ |
|----------------|--------------|---|---|
| XO Comm. | 703.547.2000 | Baltimore: Operational voice network employing one switch and operational data network | "XO Voice Messaging services, a critical component of any local voice communications solution, offer an efficient way to capture important messages while away from the office or on the phone." XO Communications, XO Voice Messaging, http://www.xo.com/xofferings/voice/local/voicemsg/. |

| R | Resale/UNE-P Comp | etitors in Maryland Providing Voice Mail Service | | |
|--------------------|-------------------|---|--|--|
| Z-Tel | UNE-P | "Z-LineHOME is everything you need from a home phone | | |
| Communications | | service in one package: Local and long distance calling, | | |
| Inc. | | Voicemail, Call Waiting and more, all from one company, on one | | |
| | | bill, at a savings of up to \$200, or more, every year!" Z-Tel | | |
| | | Communications, Inc., Z-LineHOME, http://www.z- | | |
| | | tel.com/portal/ztel/learn/i/zlinehome.jsp. | | |
| ATX | | Voicemail is available as a "value added service" ATX | | |
| Telecommunications | | Telecommunications, Products/Services; Value Added Services, | | |
| | | http://www.atx.com/. | | |
| Global Crossing | Reseller | "Manage your electronic communications with Global Crossing | | |
| | | PowerMail Services. A new, innovative way to access your | | |
| | | voice, fax, and e-mail messages using a single, convenient | | |
| | | interface." Global Crossing, PowerMail Overview, | | |
| | | http://216.35.77.35/xml/services/serv_voice_pow_mail_over.xml. | | |
| ARC Networks | UNE-P | "InfoHighway Voicemail is a state-of-the-art integrated | | |
| d/b/a InfoHighway | | messaging service that allows you to recieve not only traditional | | |
| | | voice messages in your mailbox, but fax messges as well." | | |
| | | InfoHighway, Local Phone Services, | | |
| | | http://www.infohighway.com/serv_local.html. | | |
| NOS | | NOS enhanced calling card service includes a voice mail feature. | | |
| Communications | | NOS Communications, NOS Communications, Inc. Enhanced | | |
| | | Calling Card Services, | | |
| MARIN I | | http://www.nos.com/home.asp?page=CALLINGCARD | | |
| New Frontiers | UNE-P | "New Frontiers Unified Messaging integrates your calls and | | |
| Telecommunications | | voice messages into a powerful solution that you can access | | |
| | | through any telephone or through your email to ensure you are | | |
| | | always in touch." New Frontiers Telecommunications, Unified | | |
| | | Messaging, http://www.nfis.com/unified.html. | | |
| Closecall America | | "With CloseCall America Personal Message Center Small & | | |
| | | medium Businesses can receive text and voice messages in cases | | |
| | | of emergency or just to keep in touch" CloseCall America, | | |
| | | Products and Services, | | |

| | http://www.closecallamerica.com/products/products.htm. | |
|------------------|---|--|
| Servisense | "ServiSense's Voice Mail service allows you toll-free access from | |
| | anywhere at anytime and you won't have that pesky stutter dial | |
| | tone." Servisense, Products and Services, | |
| | http://www.servisense.com/services/local.htm. | |
| Capsule | Voice mail is offered with Capsule's cellular services. Capsule | |
| Communications | Communications, Cellular Rate Plans, | |
| | http://www.capsulecom.com/images/cellrates.PDF. | |
| Stickdog Telecom | New voice mail accounts come standard with 2 minute greeting, | |
| Inc. | 3 minute message and 30 day message storage | |
| | http://www.stickdog.com/vmail.phtml | |

| Non-CLEC Providers of Voice Mail Service in Maryland | | | |
|--|--------------|------------------------|-----------------------------------|
| Company | Contact | Status of Carrier | General Quote |
| | Information | Network in Maryland | |
| Telecommunicatio | 410.435.1111 | Baltimore metropolitan | "TCI is one of the largest full- |
| ns Concepts | | areas | service integrated solutions |
| | | | provider in the Washington and |
| | | | Baltimore metropolitan areas. |
| | | | We deliver voice, network and |
| | | | data support for over 2000 |
| | | | customers in the financial, |
| | | | health care, legal, association |
| , | | | and manufacturing industries." |
| | | | Telecommunications Concepts, |
| | | | Corporate Profiles, |
| | | · | http://www.tcicomm.com/corpo |
| | | * | rate_profile.htm. See also, |
| | | | Telecommunications Concepts, |
| | | | Products & Services, |
| | | | http://www.tcicomm.com/busin |
| | | | ess_communications_systems.h |
| 411 G | 440 | | tm. |
| All Systems | 410.5328700 | Baltimore metropolitan | "Welcome to All Systems |
| Enterprises Inc. | | areas | Enterprises, Inc. We specialize |
| | | | in servicing both residential and |
| | | | commercial clients in the |
| | | | Baltimore & Washington Metro |
| | | | areas." All Systems |
| | | | Enterprises, Inc., Welcome, |
| | | | http://www.all-systems.com/. |

| Brainstem Inc. | 410.990.9881 | Baltimore and Annapolis metropolitan areas | "Brainstem sells high quality phone systems to small/medium sized businesses throughout the Baltimore, DC, & Annapolis area." Brainstem Inc., Corporate, http://www.brainstem.com/corp orate.htm. Products include, "Unified messaging; e-mail & voicemail in a single mailbox." Brainstem Inc., Home, http://www.brainstem.com/inde |
|----------------------------------|--------------|---|---|
| | | | x2.htm. |
| Service Excellence Inc. | 301.702.3000 | | "Complex Voice-Mail Application Design and Implementation" Service Excellence Inc., Services, http://www.srvcx.com/services. htm. |
| Interactive | 301.657.3280 | | |
| Communicor | | | |
| Apollo Communications Inc. | 301.855.3209 | "Based out of Dunkirk, MD, Apollo Communications has been serving the Southern Maryland, Washington DC, Virginia and Delaware area since 1994." Apollo Communications, Home, http://www.apollotel.com | "Apollo Communications has expanded its telephony product lines to cover all major brands and features state-of-the-art digital phone and voice mail systems from Vodavi and ESI." Apollo Communications, About Apollo Communications, http://www.apollotel.com/about .htm. |
| TeleSonic | 410.841.6920 | | "Voice mail, automated attendant, IVR (interactive voice response), and fax-on-demand are just a few of the many telephone business applications available." TeleSonic, <i>Products and Services</i> , http://www.telesonic.com/products.htm. |
| Computer | 301.468.6251 | | |
| Integrated Phone | | | |
| Commercial Telephone & Data | 301.309.9009 | | |

| Compu-Phone Inc. (acquired by Falcon Communications Solutions, Inc.) | 301.229.8900 | | Falcon offers a variety of open voice processing platforms to meet nearly any business requirement. Falcon Communications Solutions, Inc., Voice Mail, http://www.falconcom.net/csolutions/voicemail.asp. |
|--|--------------|--------------------|--|
| Delmarva Tele- Plus Inc. | 410.546.5150 | Delmarva Peninsula | "Delmarva Tele-Plus, Inc. located in Salisbury, Maryland provides telecommunications solutions to businesses of all sizes across the Delmarva Peninsula."; "Extensive experience with Voice Processing, Voice Mail and Automated Attendant applications for all types of businesses. DTP can design and configure a system to meet your needs today and in the future as well." Delmarva Tele-Plus Inc., <i>Products</i> , http://www.teleplusinc.com/products.html. |